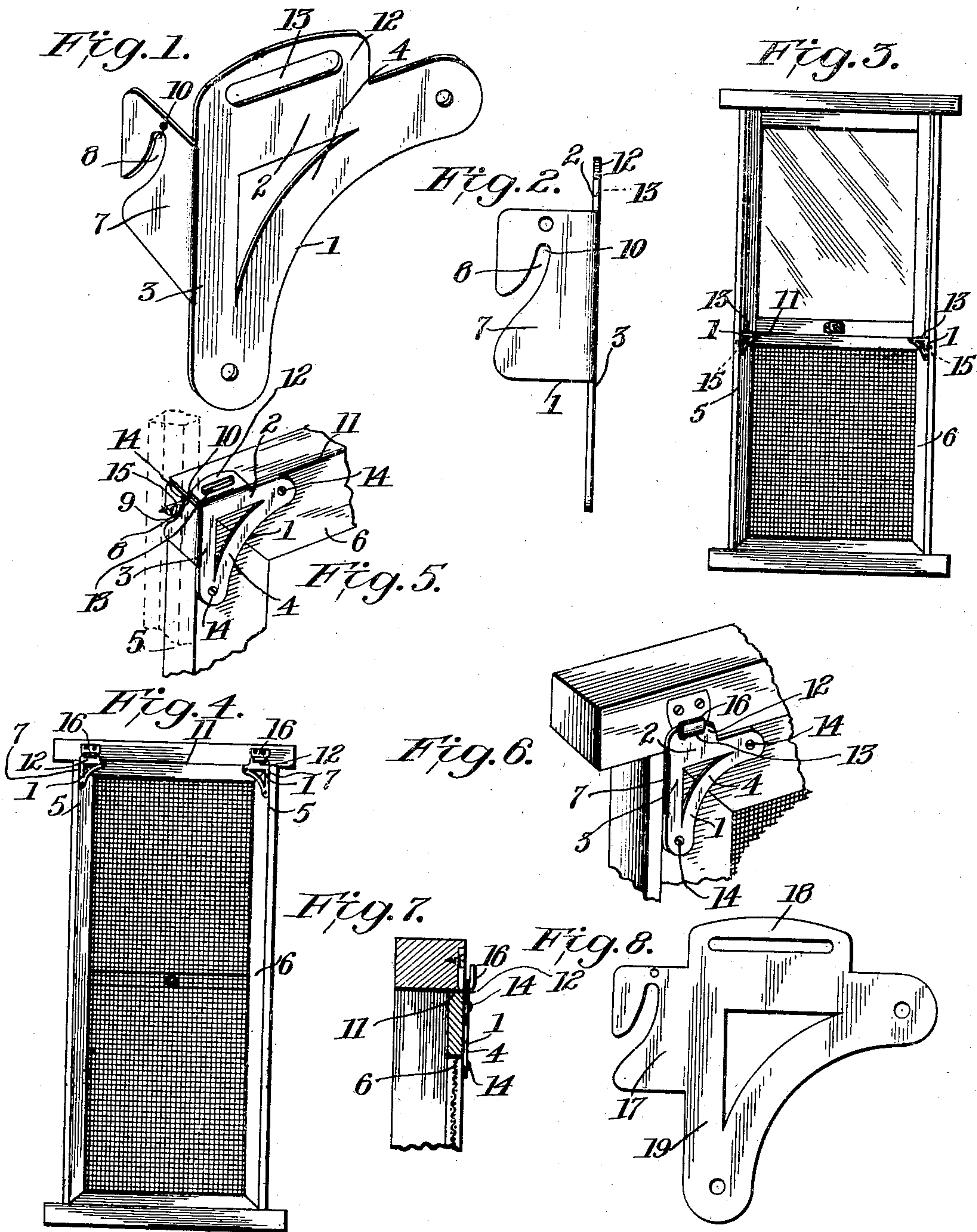


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WINDOW SCREEN BRACKET.
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946,526.

Patented Jan. 11, 1910.



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WINDOW-SCREEN BRACKET.

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To all whom it may concern:

Be it known that I, FREDRICK J. WARNER, citizen of the United States, residing at Memphis, in the county of Shelby and State of Tennessee, have invented certain new and useful Improvements in Window-Screen Brackets, of which the following is a specification.

My invention relates to window screen brackets of the class in which the bracket is suitably secured to a screen to form the means by which the screen is removably hung in position.

The objects of my invention are to provide such a bracket whereby the screen may be securely and detachably hung in position and which bracket can be so attached as to either a screen adapted to cover the area left open when a lower window sash is raised, or a screen adapted to cover the entire area of the window frame.

With these objects in view, my invention is embodied in preferable form in the device hereinafter described and illustrated in the accompanying drawings.

In these drawings, Figure 1 is a perspective view of the bracket; Fig. 2, an end view; Fig. 3, a view showing the bracket used on a screen covering the space left open when the lower sash is raised; Fig. 4, a view showing the bracket used on a screen covering the entire area of the window frame; Fig. 5 a detail perspective of the bracket as used in Fig. 3 with the screen mostly broken away; Fig. 6, a detail perspective of the bracket as used in Fig. 4 showing the connecting hook member, a portion of the window frame and a portion of the screen; Fig. 7 a detail sectional view of the bracket as used in Fig. 5, showing a portion of the screen, the connecting hook member and a portion of the window frame, and Fig. 8, a view of a modified form of bracket.

Referring to the drawings, 1 represents the bracket which is made of a flat piece of thin metal, 2 and 3, arms at right angles to each other and 4 a curved brace arm integral with plate 2, which arms form a substantially triangular structure. Extending from arm 3 whose outer edge lies flush with the outer edge of the side arm of the screen frame, is a plate 7 preferably integral bent at right angles thereto and adapted to rest flat against the outer edge 5 of the screen 6. The plate 7 is provided with a pin-

engaging slot 8, the edges of which coincide with the edges of a slot or recess 9 formed in the screen frame. The slots extend diagonally upward and terminate in a semi-circular portion 10. The upper edge of the arm 2 lies flush with the top edge 11 of the screen frame and has projecting upwardly therefrom and preferably integral therewith a slotted plate 12, the slot being designated by 13. The bracket is made of malleable metal and is preferably secured flat against the screen frame by means of pins or screws 14.

When the brackets are secured to a screen which is adapted to be hung on the side pins so as to close merely the space of the lower sash as in Fig. 3, the slotted plate is bent horizontally flat against the upper edge 11 of the screen frame to brace the same. In this arrangement the screen is hung merely by the engagement of the slots 8 and 9 with pins or nails 15 driven into the window frame. In this screen the lower rail of the upper sash bears against the inner face of the upper rail of the screen frame so there will be no opening above the screen.

As used on a screen as shown in Figs. 4, 6 and 7, the screen is hung so that the slot plates by means of slots 13 will engage and hang on hook members 16 secured to the window frame. The slight thickness of the plate 7 prevents any obstruction to a close fitting of the screen frame against the interior of the window frame.

It has been found unsatisfactory to hang the larger size screen in the same manner as I prefer to hang the screen of Figs. 3 and 5 owing to the specific shape of the slot, as a space would be left between the upper edge of the screen and the lower edge of the upper rail of the window frame because the semi-circular termination of the slot is situated above the entrance to the slot and the screen has to drop slightly so that the semi-circular portion of the slot may hang on the pin.

Referring to Fig. 8, the bracket is made of malleable metal as before and the entire bracket is formed flat. Plate 17 corresponds to plate 7 of the other figures and the slot plate 18 corresponds to slot plate 12 of the other views. The plate 17 may be bent at a right angle to the arm 19 in either of the two planes possible to bend the same to form either a right or left hand bracket, that is a bracket adapted to fit either the upper right or left hand corner of the screen. As the

bracket is made and shown in the other views special right and left hand brackets have to be employed.

By manufacturing screen brackets as specified, considerable confusion in the trade is avoided in purchasing this class of articles as the one form of bracket can be used on the several kinds of screens.

It is clear that various changes in the details of construction of the devices set forth may be made without departing from the spirit and scope of my invention.

Having thus described my invention, what I claim is:—

1. A bracket attachment for window screens having a plurality of means by which a screen may be hung, one of said means adapted to be bent out of the way when the other means is used, substantially as described.

2. A window screen bracket having a side member by which an attached screen may be hung on a pin at its side, a slot member extending vertically from the bracket whereby the attached screen may be hung at the top, said slotted member adapted to be bent against the screen, substantially as described.

3. A window screen bracket having a side member provided with a pin-engaging slot whose entrance is below the upper extremity of the slot and an eye member projecting above the top of the screen, substantially as described.

In testimony whereof I have affixed my signature, in presence of two witnesses.

FREDRICK J. WARNER.

Witnesses:

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